SIGMABLADESYSTEM

BLADE ENCLOSURES

SIGMABLADE-M

- Compact 6U chassis optimized for management of mid-sized systems
- Easy monitoring of each blade server operating status
- Better and easier cabling by using KVM switches

SIGMABLADE-H

- High density 10U architecture ideal for the enterprise
- High speed backplane providing maximum system performance

Servers for Data Center Consolidation and Virtualization

Featuring hot-swap redundant components (power supply, management cards & cooling fans), server blades and switch modules, NEC's blade enclosures deliver high availability and reliability benefits while enabling space efficiency through server consolidation. Two SigmaBlade chassis are available.

The H-chassis is a 16 blade chassis comprising of only 10U on the rack. The M-chassis is an 8 blade chassis comprising of 6U of rack space. Both chassis provide pass-through and switch options in either 1 gigabyte Ethernet or fiber channel speeds. These chassis provide for easy setup and configuration connectivity through its management module, redundant power supply modules, and fans to ensure that the servers will stay running beyond expectations.

Empowered by Innovation NEC

Product Specifications

SIGMABLADE-H

I/O Interface

CPU Blade	16
Switch	8
EM Card	2
Power Unit	6
Fan Unit	8

Power Supply

Module	Up to 6 power units (2 power units are provided as standard)
Voltage	AC 200V - 240V±10%
Frequency	50/60Hz±1Hz
Number of Plugs	6

I/O Interface

USB	4-pin connector x1
Serial (COM)	D-Sub 9-pin connector x1
PS2	PS/2 connector x2
Display	D-Sub 15-pin connector x1
Auxiliary Storage Unit	DVD-Combo x1

EM Card
Up to two boards (one board is provided as standard)
Cooling FAN
Up to eight units (four units are provided as standard)
Dimensions (W x D x H mm)
485×820×445(10U) (protruding objects included)
Maximum Power Consumption[1]
10,415W
Weight
202kg (Max) (CPU Blades, switch modules, EM Cards, power units, and cooling fans)
Accessories (applies to both chassis types)
SUV cable x1, User's Guide x1, Rack-mount kit x1, Packing List x1, Blade Management Sheet x1

1 Represents the maximum wattage consumed in the maximum configuration

SIGMABLADE-M

I/O Interface

CPU Blade	8
Switch	6
EM Card	2
Power Unit	4
Fan Unit	5

Power Supply

Module	Up to 4 power units (No power unit provided as standard)
Voltage	AC 200V - 240V±10%
Frequency	50/60Hz±1Hz
Number of Plugs	1 (Max. 4)

I/O Interface

USB	4-pin connector x1
Serial (COM)	D-Sub 9-pin connector x1
PS2	PS/2 connector x2
Display	D-Sub 15-pin connector x1
Auxiliary Storage Unit	DVD-Combo x1

EM Card
Up to two boards (not provided as standard)
Cooling FAN
Up to five units (not provided as standard)
Dimensions (W x D x H mm)
484.8 x 829 x 264.2(6U) (protruding objects included)
Maximum Power Consumption[1]
5,013W
Weight
110kg (Max) (CPU Blades, switch modules, EM Cards, power units, and cooling fans)
Modules (applies to both chassis types)
1Gb L2 Switch, single module 1Gb L3 Switch, single module 1Gb Pass-through, double module 10Gb Intelligent L3 Switch 4Gbps Fibre Channel Switch 4Gbps Fibre Channel Pass-through, double module

1 Represents the maximum wattage consumed in the maximum configuration

NEC Corporation of America
Departmental Servers Division
2880 Scott Blvd.
Santa Clara, CA 95050
www.necam.com/servers
DynamicIT@necam.com
1 866 632-3226
+1 408 844-1299

Express5800

- Microsoft and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Intel and Xeon are registered trademarks or trademarks of Intel Corporation or its subsidiaries in the United States and other countries.
- Linux is a trademark of Linus Torvalds.
- Red Hat is a registered trademark of Red Hat, Inc. in the U.S.
- VMware is a registered trademark of VMware, Inc. in the U.S. and /or other jurisdictions.

© 2009 NEC Corporation of America. All rights reserved. Specifications are subject to change without notice. NEC is a registered trademark, and NEC Express5800 and Empowered by Innovation are trademarks of NEC Corporation. All other trademarks are the property of their respective owners. DS127-2_0209

NEC Corporation of America